

PLOTTING NP RANGE RESIDUALS - SGF WEB DEVELOPMENT. G. Appleby¹, M. Wilkinson¹. ¹NERC Space Geodesy Facility, Herstmonceux, UK, matwi@nerc.ac.uk

Introduction: As an ILRS Analysis Centre, the SGF produces station co-ordinate solutions using laser range data from the LAGEOS and Etalon satellites on a daily basis. A by-product of this activity are well determined final 7-day arc orbits for each satellite.

In order to offer feedback from this analysis to ILRS stations, Normal point range residuals to these final orbits are presented on the SGF website (<http://sgf.rgo.ac.uk/analysis/nporbit.html>). The plots

are interactive in a modern web browser, enabling zooming, hovering and station display selection. The plots are updated each day.

Interpreting the plots should consider that the 7-day orbits are smoothed averages and so do not adjust for the pass by pass differences caused by small changes in atmospheric drag, solar pressure and geopotential. This results in individual pass laser observations appearing as slopes on the plots.